THANK YOU!

We are grateful you chose ZASTONE for your land mobile radio applications. We believe this easy-to-use transceiver will provide dependable and reliable communication to personnel operating at peak efficiency.

ZASTONE transceivers incorporate the latest in advanced technology. As a result, we feel strongly that you will be pleased with the quality and features of this product!

T

Cautions before using

- maintenance can only be undertook by professional technicians do not use the machine or charge the battery in the environment (such as gas, dust, or vapor) do not turn on the machine while refueling or parking at the gas station.
- Do not refit or revise the machine by any excuse.
  Do not put it in the direct radiate sun for a long time, or put in nearby the heater.
- Do not put it in the extreme dusty, wet or splashed places, or on the unsteady surface.
- Keep it dry, rainwater or dampness may erode the electron line.
- If find the peculiar smell or mist giving off from the machine, cut off the power supply at once and take out the battery, then contact with local distributor.
- If you take the radio on the body, please make sure keep away from antenna about 5cm.

ZASTONE

CATALOGUES

Product check

Accessories 1

Battery information

Charging issue 2
Battery type 2
Charging operation steps 3
Maintenance 3

Install attach parts

Installing/removing battery pack 4
Installing/removing belt clamp 4
Installing/removing antenna 5
Installing earphone/mic 5

Information of radio

Guidelines 6-7

Basic operations

Switching power supply 8
Adjusting volume 8
Choosing channel 8
Transmit 8

CTCSS/DCS

CTCSS standard frequency form 9
DCS standard index 10
Digital FM function 11
Scanning 11

Miscellaneous function
TOT 12
BCL 12
Saving battery 12
Low battery alarm 12
Frequency channel 12
Monitor 12
Frequency form 13
FAQ 14
Technology specification 15

Product checking

Welcome to purchasing TNETON TE-800 walkie-talkie.

Before using the radio, we will give your some suggestions:

- please make sure to check the packaging of the radio is good or not
- be careful to open the box, check with the accessories inside the box, see the picture as follow

Accessories

name	quantity
antenna	1
li-oin battery	1
Battery	1
Belt chip	1
User's manual	1

Main features:

- Frequency: VHF 136-174 MHz UHF 400-470.975 MHz
- 16 channels
- Program by computer
- DT/DQT function
- Scanning function
- Selecting transmitting power
- Setting Wide/narrow band
- Chinese /English voice
- FM function
- Busy channel lockout (BCL)
- High/low voltage prompt
- Transmitting overtime prompt

Battery information

Charging caution

The battery does not full charge in the factory, please make the new battery full charged before using. If find the low battery, you have to put into charge or change new one at once.

Battery type

Please use the TNETON battery, if you use another brand or type battery, it caused by explosion

Cautions

- maintenance can only be undertook by professional technicians.
- do not use the machine or charge the battery in the environment(such as gas, dust, or vapor).
  do not turn on the machine while refueling or parking at the gas station.
- Do not refit or revise the machine by any excuse.
- Do not put it in the direct radiate sun for a long time, or put in nearby the heater.
- Do not put it in the extreme dusty, wet or splashed places, or on the unsteady surface.
- Keep it dry, rainwater or dampness may erode the electron line.
- If find the peculiar smell or mist giving off from the machine, cut off the power supply at once and take out the battery, then contact with local distributor.
- When you put into the battery, do not turn off the power.
- Please turn off the transceiver while your car is being refueled or parked a gas station.
- It is important that the operator is aware of and understand hazards common to the operation of any transceiver. Explosive environment, turn off your transceiver while talking on fuel.

Charging battery as follow steps:

- put the charger into the power socket with 220v AC.
  put the battery on the socket.
- Make sure the battery touch with the contact pad, when the charging, the light turns on red.
- Charging time is 8 hours as normal, the light turns on green, it shows charging finish.

Indicator light	state
Light shows red	charging
Light shows green	charged

Maintenance

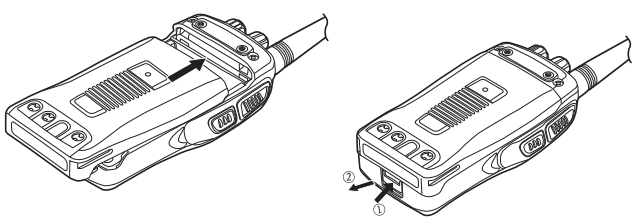
- Please do not directly mention antenna or speaker.
- Please use the cloth to wipe the dust ,bolt on the radio, in order to prevent bad contact.
- When we are not using the radio, please cover the headphone jack.
- When we are using the radio for a long time, the keypad, knob and housing will be dirty, so please use the cleaning agent or dry cloth to clean at the same time.

Accessories fitting

Installing /removing battery

Install battery: the 2 flutes of the battery aim at orbit of aluminum frame of the equipment make sure the battery fully contact aluminum frame. (See pic.) , and then push parallels along the orbit of aluminum frame, till they are buttoned well (See pic.).

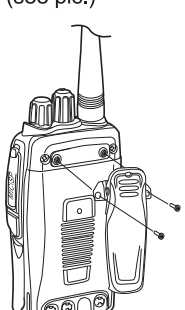
Remove battery: Please turn off the two way radio if you want to remove the battery, and then press the battery button down (see pic.), and meanwhile push the battery out of the two way radio(see pic.)



Installing/removing belt chip

Install Belt clip: The 2 eyelets of the belt clip is aimed at the 2 ones of Main Radio's back, and then screw down with suited screws (see pic.)

Remove Belt clip: directly screw it off (see pic.).

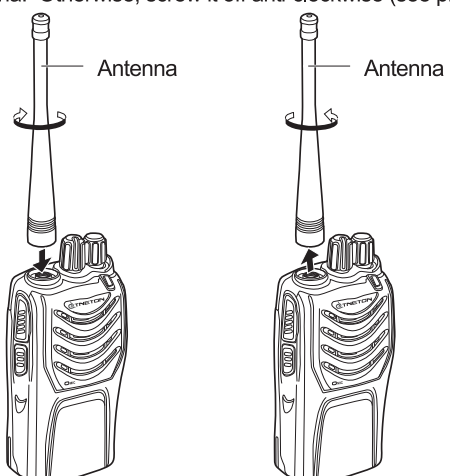


Installing/removing antenna

Install Antenna: **1.** Take the antenna to aim at SMA Connector of the Radio.

2. And then screw down well along clockwise (see pic.)

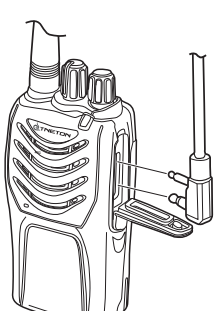
Remove Antenna: Otherwise, screw it off anti-clockwise (see pic.).



Install extra purchasing earphone/mic

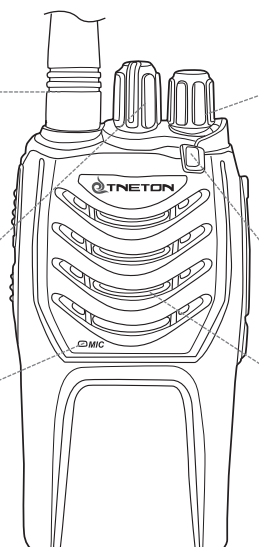
1. Unclose (not take down) cover for Earphone/ Mic jack (see pic.)

2. Earphone/Microphone is plugged into the jack (see pic.)



Information of the radio

Guidelines



Antenna

Power/
volume knob

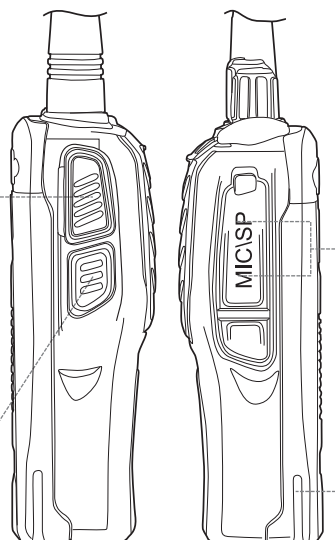
LED indicator light

The indicator light turns red when transmit, turns green when receive. It blinks red when the battery capacity is low.

Channel-
selecting knob

Microphone
Input the audio

Speaker
Output the audio



PTT switch

Mic/speaker jack/
programming port

Used to connect headset or programming cable. Programmable via PC programming software.

MONI key

Li-ion battery

For supplying the power

Basic operation

Power on and Power off

Turn the Power/Volume Knob clockwise "di" sound will be heard, at this time mean that it can work. But after you can set up in the Programming Software by Computer, the Radio will keep silence when you choose channel, that is , the sound of channel number can't be heard.

Otherwise turn the Power/Volume counter-clockwise, a special sound will be heard, at this time mean that the Radio is powered off.

Adjust Volume

On the condition that the Radio is powered on, you can adjust the volume when turn the Power/Volume Knob clockwise/counter-clockwise, the sound get louder/lower.

Choosing Channel

On the condition that the Radio is powered on, you can directly choose Channel 1-16 you want, and the speaker will sound.

Transmit

Firstly press PTT key but not release when you are transmitting (calling) the other one, you'd better keep your mouth about 5cm away from your radio's microphone.

Note: (1) the indication light get red when you press PTT key, it is transmitting at this time.

(2) If the indication light is flashing on and off, the capacity of Radio's battery is very lower at this time; meanwhile the radio also can't work normal. Therefore at this time the Radio can't transmit (call). After you release PTT key, you can hear somebody calling. Do not press PTT key when you receive other one, at this time you will heard some sound of the caller.

CTCSS/DCS

The radio have pre-programmed 39 groups CTCSS and 83 groups DCS(set up by Program Software of Computer).

- On the basis of same channel, they can transmit and receive each other/one another at the same CTCSS and same DCS.
- When you receive the other radios which have different CTCSS/DCS , you won't heard the clear signal.
- When you transmit the signal, your signal can be heard by only the Radio which have same CTCSS/DCS.

Cautions

» In despite of using the Channel which hasn't CTCSS/DCS, you can avoid to receive the signal which you don't want. However it doesn't means that it is not private! If you want to change the CTCSS/DCS, please set up by program software of computer.

CTCSS standard frequency form

CTCSS				
1 - 67.0	9 - 88.5	17 - 114.8	25 - 151.4	33 - 203.5
2 - 69.3	10 - 91.5	18 - 118.8	26 - 156.7	34 - 210.7
3 - 71.9	11 - 94.8	19 - 123.0	27 - 162.2	35 - 218.1
4 - 74.4	12 - 97.4	20 - 127.3	28 - 167.9	36 - 225.7
5 - 77.0	13 - 100.0	21 - 131.8	29 - 173.8	37 - 233.6
6 - 79.7	14 - 103.5	22 - 136.5	30 - 179.9	38 - 241.8
7 - 82.5	15 - 107.2	23 - 141.3	31 - 186.2	39 - 250.3
8 - 85.4	16 - 110.9	24 - 146.2	32 - 192.8	

DCS standard index

DCS					
023	114	174	315	445	631
025	115	205	331	464	632
026	116	223	343	465	654
031	125	226	346	466	662
032	131	243	351	503	664
043	132	244	364	506	703
047	134	245	365	516	712
051	143	251	371	532	723
054	152	261	411	546	731
065	155	263	412	565	732
071	156	265	413	606	734
072	162	271	423	612	743
073	165	306	431	624	754
074	172	311	432	627	

FM function

This radio have FM function, you can hear FM and adjust frequency channel as you like. When the radio power off, press MONI key, and the turn on the radio, you can use the FM function at this time. When the radio receiver the correct signal, it will exit FM state. When the signal disappears, you can continue to use FM function.

FM extra accessory function power on /off

When the channel knob turns to 12 channels, press PTT and MONI key at the same time, change FM extra accessory function. When the extra accessory unction turns on, press MONI key into the FM function state, otherwise can not turn on the FM function.

Scanning

- The radio will automatically scan when you turn the Channel Knob to Channel 16 after you set up the Scan function by Frequency Software.
- The radio will stay the current channel when it receive signal, it will start to scan again after the signal disappear for 3 seconds.
- When you press PTT key , the radio will transmit/call at the Frequency of Channel 16 if it is still scanning.
- The radio will transmit/call at the Frequency of the current channel if the scan stop.

TIME- OUT- TIMER (TOT)

- The purpose of the Time-out Timer is to prevent any single person from using a channel for an extended period of time.

BUSY CHANNEL LOCK OUT (BCLO)

- After the BCLO function is running, which prevent Radio which use same Frequency/channel to interfere.
- Usually the BCLO function is off when the radio leaves the factory.
- If the BCLO function of the channel chosen by Frequency Software/Distributor is on, the radio will has sound of "beep" while you are pressing PTT key (not releasing) and when the channel is working by other men of the Same Group.
- The sound of "beep" will stop after release the PTT key.
- When the channel is free , the radio will transmit/call while you press PTT key again

SAVE BATTERY

The radio will keep the mode of battery saving when it haven't received signal, or doesn't operating for continuously 10 seconds. (The function can be set up in the Program Software by Computer).

LOW BATTERY WARMING

When the voltage fall down to lowest level, the tone of "please charge" will ound, required to replace battery or recharge the battery.

MONITOR

Such weaker signal can't be heard on the condition of normal operation when press MONI key (not release), and adjust the volume by Power/Volume Knob. Cancel monitoring after you release MONI key. (The function is set up by Computer).

Frequency form

Model: .....

Serial number: .....

Channel	Transmit	QT/DQT	Receive	QT/DQT
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

FAQ

QUESTION	SOLUTION
No power	• The battery have been used up, or recharge, or replace new one
Battery's continuous working time is very short after charged	• The battery's life is finished, • Replace new battery
Can't talk with other member in your group	• The members of the same group perhaps are too far away, make sure you are in effective range. • Be sure the QT/DQT of your radio is same as others.
The volume is very low while transmit/ receive	• Be sure you turn Volume Knob up to the biggest position. • Or send the radio to repair to the appointed place.
Have always noise/ voice of other group's member	• Change the QT/DQT tone • Be sure to change the tone on all radios in your group.

TECHNOLOGY SPECIFICATION

Model No.	
Frequency Range	136-174MHz 400-470.975MHz
Memory Channel	16 channel
Frequency Sensitivity	±2.5PPM
Working Temperature	-20˚C~+60˚C
Working Voltage	7.2V
Output Power	7W
RF Sensitivity	< 0.18uV
Inter-modulation	⩽-60dB
Audio Frequency Power	⩾400mW
Measurement (wxdxh) mm	127x61x38mm
Weight (including battery & antenna)	205grams
Standard current	46MA(save battery state 20ma)
Modulation mode	F3E
Transmit current	⩽1.5A

Warranty card

Model: _____ purchasing time: _____

Serial number: _____

Seller: _____ telephone number: _____

User: _____ telephone number: _____

Address: _____ post code: _____

Warranty illustrating

1.this card for the customer using , can not get loss

2.this card is valid for stamping on seller or filled in date

3.this card can not be tamper with serial number and machine code number, otherwise it is not valid

4.we supply one year warranty for radio, only machine, charger , battery , earphone ,and antenna are belong to consumer goods, it is not for warranty

5.users can find the way to get warranty for this radio:

A point of maintained place which belongs to our company